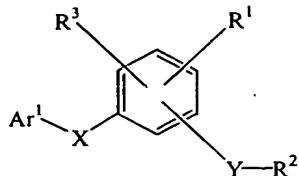


WHAT IS CLAIMED IS:

1        1.        A compound having the formula (I):



2        wherein

4        Ar<sup>1</sup> is a member selected from the group consisting of substituted or unsubstituted  
5        2-benzothiazolyl and substituted or unsubstituted quinolinyl;

6        X is selected from the group consisting of -O-, -C(O)-, -CH(R<sup>10</sup>)-, -N(R<sup>11</sup>)-, and  
7        -S(O)<sub>k</sub>-,

8        wherein

9        R<sup>10</sup> is a member selected from the group consisting of hydrogen, cyano and  
10      (C<sub>1</sub>-C<sub>4</sub>)alkyl;

11      R<sup>11</sup> is a member selected from the group consisting of hydrogen and (C<sub>1</sub>-  
12      C<sub>8</sub>)alkyl, and the subscript k is an integer of from 0 to 2; with the  
13      proviso that when Ar<sup>1</sup> is a substituted or unsubstituted 2-  
14      benzothiazolyl, then X is other than -S(O)<sub>k</sub>- ;

15      Y is -N(R<sup>12</sup>)-S(O)<sub>2</sub>-,

16      wherein

17      R<sup>12</sup> is a member selected from the group consisting of hydrogen and (C<sub>1</sub>-  
18      C<sub>8</sub>)alkyl;

19      R<sup>1</sup> is a member selected from the group consisting of hydrogen, (C<sub>2</sub>-C<sub>8</sub>)heteroalkyl,  
20      halogen, (C<sub>1</sub>-C<sub>8</sub>)alkyl, (C<sub>1</sub>-C<sub>8</sub>)alkoxy, -C(O)R<sup>14</sup>, -CO<sub>2</sub>R<sup>14</sup>, -C(O)NR<sup>15</sup>R<sup>16</sup>, -  
21      S(O)<sub>p</sub>-R<sup>14</sup>, -S(O)<sub>q</sub>-NR<sup>15</sup>R<sup>16</sup>, -O-C(O)-R<sup>17</sup> and -N(R<sup>14</sup>)-C(O)-R<sup>17</sup>;

22      wherein

23      R<sup>14</sup> is a member selected from the group consisting of hydrogen, (C<sub>1</sub>-  
24      C<sub>8</sub>)alkyl, (C<sub>2</sub>-C<sub>8</sub>)heteroalkyl, aryl and aryl(C<sub>1</sub>-C<sub>4</sub>)alkyl;

25      R<sup>15</sup> and R<sup>16</sup> are members independently selected from the group consisting  
26      of hydrogen, (C<sub>1</sub>-C<sub>8</sub>)alkyl, (C<sub>2</sub>-C<sub>8</sub>)heteroalkyl, aryl, and aryl(C<sub>1</sub>-

1                   3. A compound of claim 2, wherein R<sup>1</sup> is selected from the group  
2 consisting of halogen, cyano, (C<sub>1</sub>-C<sub>8</sub>)alkoxy, (C<sub>1</sub>-C<sub>8</sub>)alkyl, -CO<sub>2</sub>R<sup>14</sup> and -C(O)NR<sup>15</sup>R<sup>16</sup>  
3 wherein R<sup>14</sup> is (C<sub>1</sub>-C<sub>8</sub>)alkyl; R<sup>15</sup> and R<sup>16</sup> are independently selected from the group consisting  
4 of hydrogen and (C<sub>1</sub>-C<sub>8</sub>)alkyl, or taken together with the nitrogen to which each is attached  
5 form a 5- or 6-membered ring.

1                           4.        A compound of claim 2, wherein R<sup>1</sup> is selected from the group  
2        consisting of halogen, cyano, (C<sub>1</sub>-C<sub>8</sub>)alkoxy and (C<sub>1</sub>-C<sub>8</sub>)alkyl.

1                   5.       A compound of claim 2, wherein X is selected from the group  
2 consisting of -O- and -NH-.

1                   6.       A compound of claim 2, wherein R<sup>2</sup> is substituted phenyl having from  
2 1 to 3 substituents independently selected from the group consisting of halogen, cyano, nitro,  
3 -OCF<sub>3</sub>, -OH, -O(C<sub>1</sub>-C<sub>6</sub>)alkyl, -CF<sub>3</sub>, (C<sub>1</sub>-C<sub>8</sub>)alkyl.

1                   7.       A compound of claim 2, wherein  
2 X is selected from the group consisting of -O- and -NH-;  
3 R<sup>1</sup> is a member selected from the group consisting of hydrogen, halogen, cyano, (C<sub>1</sub>-  
4 C<sub>8</sub>)alkoxy, (C<sub>1</sub>-C<sub>8</sub>)alkyl, -CO<sub>2</sub>R<sup>14</sup> and -C(O)NR<sup>15</sup>R<sup>16</sup>;  
5 wherein

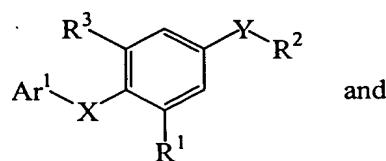
6 R<sup>14</sup> is a member selected from the group consisting of hydrogen and (C<sub>1</sub>-  
7 C<sub>8</sub>)alkyl;

8 R<sup>15</sup> and R<sup>16</sup> are members independently selected from the group consisting of  
9                   hydrogen and (C<sub>1</sub>-C<sub>8</sub>)alkyl, or taken together with the nitrogen to  
10                  which each is attached from a 5-, 6- or 7-membered ring;

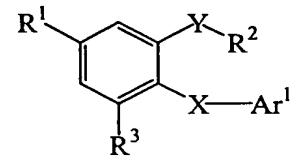
11 R<sup>2</sup> is substituted phenyl having from 1 to 3 substituents independently selected from  
12                  the group consisting of halogen, cyano, nitro, -OCF<sub>3</sub>, -OH, -O(C<sub>1</sub>-C<sub>6</sub>)alkyl, -  
13 CF<sub>3</sub>, (C<sub>1</sub>-C<sub>8</sub>)alkyl; and

14 R<sup>3</sup> is a member selected from the group consisting of halogen and (C<sub>1</sub>-C<sub>4</sub>)alkoxy.

1                   8.       A compound of claim 2, represented by a formula selected from the  
2 group consisting of

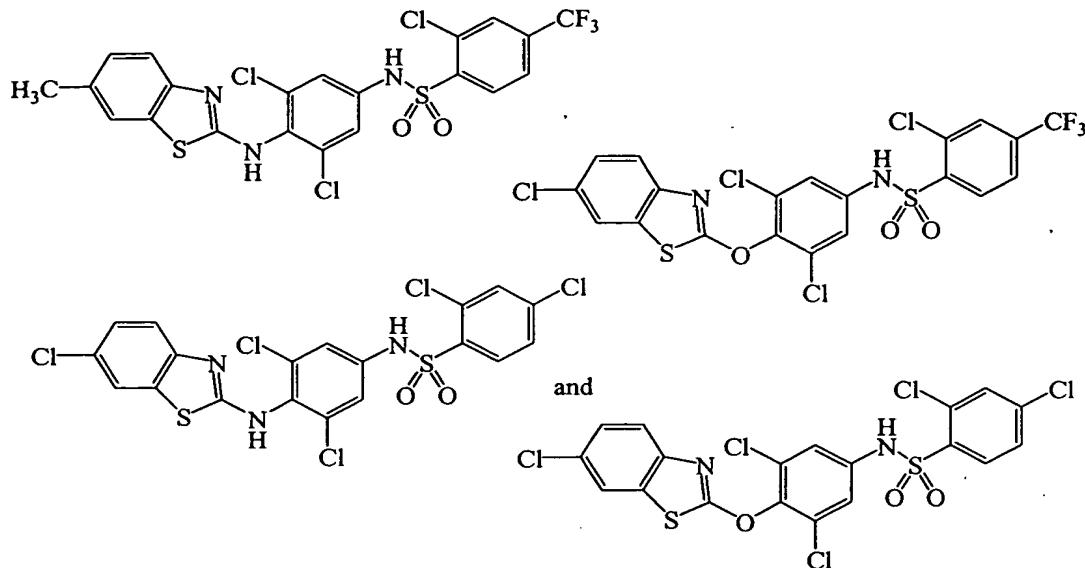


3                   (Ii)



(Ij)

1                   9.       A compound of claim 2, selected from the group consisting of



2

1           **10.**    A compound of claim 1, wherein

2           Ar<sup>1</sup> is a substituted or unsubstituted quinolinyl group;

3           X is selected from the group consisting of -O-, -S- and -N(R<sup>11</sup>)-;

4           wherein R<sup>12</sup> is selected from the group consisting of hydrogen and (C<sub>1</sub>-C<sub>8</sub>)alkyl;

5           R<sup>1</sup> is a member selected from the group consisting of hydrogen, halogen, cyano, (C<sub>1</sub>-C<sub>8</sub>)alkoxy, (C<sub>1</sub>-C<sub>8</sub>)alkyl, -CO<sub>2</sub>R<sup>14</sup> and -C(O)NR<sup>15</sup>R<sup>16</sup>;

6           wherein

7           R<sup>14</sup> is a member selected from the group consisting of hydrogen, (C<sub>1</sub>-C<sub>8</sub>)alkyl, (C<sub>1</sub>-C<sub>8</sub>)heteroalkyl, aryl and aryl(C<sub>1</sub>-C<sub>4</sub>)alkyl;

8           R<sup>15</sup> and R<sup>16</sup> are members independently selected from the group consisting of

9           hydrogen, (C<sub>1</sub>-C<sub>8</sub>)alkyl, (C<sub>2</sub>-C<sub>8</sub>)heteroalkyl, aryl, and aryl(C<sub>1</sub>-C<sub>4</sub>)alkyl,  
10           or taken together with the nitrogen to which each is attached form a 5-,  
11           6- or 7-membered ring;

12           R<sup>2</sup> is substituted or unsubstituted phenyl; and

13           R<sup>3</sup> is a member selected from the group consisting of halogen and (C<sub>1</sub>-C<sub>8</sub>)alkoxy.

1           **11.**    A compound of claim 10, wherein R<sup>1</sup> is selected from the group

2           consisting of halogen, cyano, (C<sub>1</sub>-C<sub>8</sub>)alkoxy, (C<sub>1</sub>-C<sub>8</sub>)alkyl, -CO<sub>2</sub>R<sup>14</sup> and -C(O)NR<sup>15</sup>R<sup>16</sup>

3           wherein R<sup>14</sup> is (C<sub>1</sub>-C<sub>8</sub>)alkyl; R<sup>15</sup> and R<sup>16</sup> are independently selected from the group consisting  
4           of hydrogen and (C<sub>1</sub>-C<sub>8</sub>)alkyl, or taken together with the nitrogen to which each is attached

5           form a 5- or 6-membered ring.

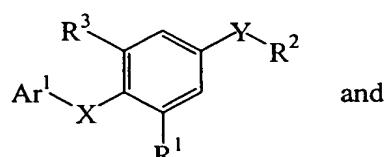
1                           **12.**    A compound of claim 10, wherein R<sup>1</sup> is selected from the group  
2 consisting of halogen, cyano, (C<sub>1</sub>-C<sub>8</sub>)alkoxy and (C<sub>1</sub>-C<sub>8</sub>)alkyl.

1                           **13.**    A compound of claim **10**, wherein X is selected from the group  
2 consisting of -O-, -S- and -NH-.

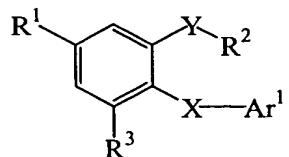
1                   14.       A compound of claim 10, wherein R<sup>2</sup> is substituted phenyl having from  
2       1 to 3 substituents independently selected from the group consisting of halogen, cyano, nitro,  
3       -OCF<sub>3</sub>, -OH, -O(C<sub>1</sub>-C<sub>6</sub>)alkyl, -CF<sub>3</sub>, (C<sub>1</sub>-C<sub>8</sub>)alkyl.

1        15. A compound of claim 10, wherein  
2        X is selected from the group consisting of -O-, -S- and -NH-;  
3        R<sup>1</sup> is a member selected from the group consisting of hydrogen, halogen, cyano, (C<sub>1</sub>-  
4        C<sub>8</sub>)alkoxy, (C<sub>1</sub>-C<sub>8</sub>)alkyl, -CO<sub>2</sub>R<sup>14</sup> and -C(O)NR<sup>15</sup>R<sup>16</sup>;  
5        wherein  
6        R<sup>14</sup> is a member selected from the group consisting of hydrogen and (C<sub>1</sub>-  
7        C<sub>8</sub>)alkyl;  
8        R<sup>15</sup> and R<sup>16</sup> are members independently selected from the group consisting of  
9        hydrogen and (C<sub>1</sub>-C<sub>8</sub>)alkyl, or taken together with the nitrogen to  
10      which each is attached from a 5-, 6- or 7-membered ring;  
11      R<sup>2</sup> is substituted phenyl having from 1 to 3 substituents independently selected from  
12      the group consisting of halogen, cyano, nitro, -OCF<sub>3</sub>, -OH, -O(C<sub>1</sub>-C<sub>6</sub>)alkyl, -  
13      CF<sub>3</sub>, (C<sub>1</sub>-C<sub>8</sub>)alkyl; and  
14      R<sup>3</sup> is a member selected from the group consisting of halogen and (C<sub>1</sub>-C<sub>4</sub>)alkoxy.

1                           **16.**     A compound of claim 10, represented by a formula selected from the  
2     group consisting of

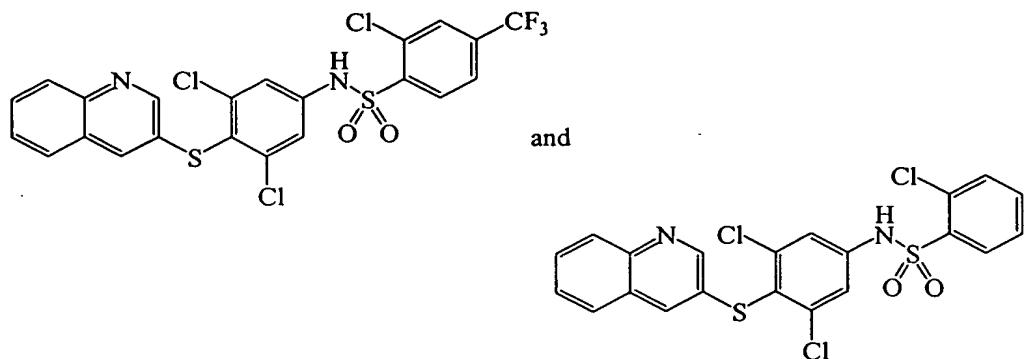


and



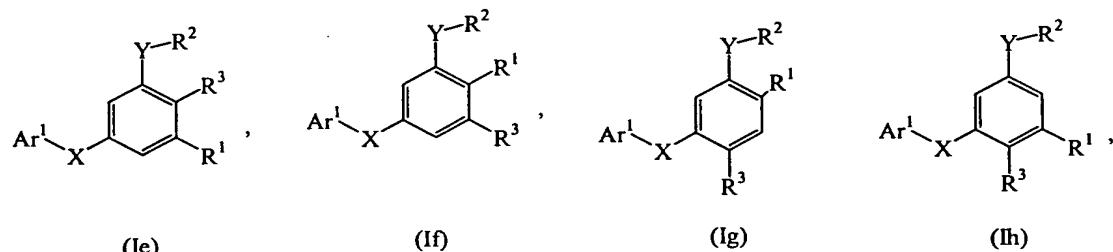
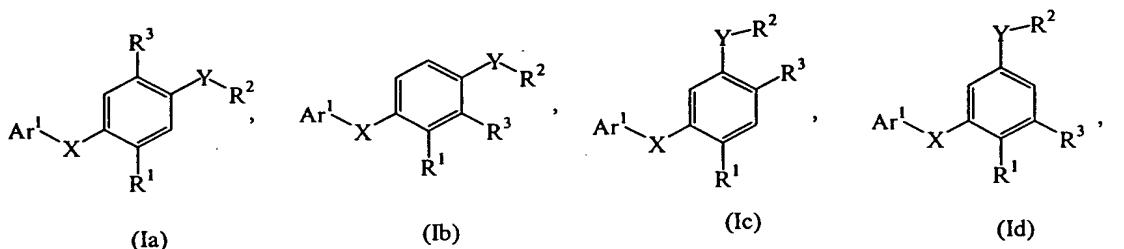
(Ij)

1 17. A compound of claim 10, selected from the group consisting of

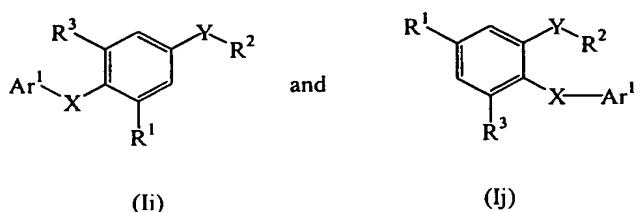


2

1                   18. A compound of claim 1, wherein said compound is represented by a  
2 formula selected from the group consisting of



3



1                           **19.**    A composition comprising a pharmaceutically acceptable carrier or  
2    excipient and a compound of Claims 1-18.

1                           **20.**     A method for treating or preventing a metabolic disorder or an  
2     inflammatory condition, comprising

3 administering to a subject in need thereof a therapeutically effective amount of  
4 a compound of Claims 1-18.

1                   **21.**    A method in accordance with Claim 20, wherein said subject is a  
2    human.

1                   **22.**    A method in accordance with claim 20, wherein said administering is  
2    oral.

1                   **23.**    A method in accordance with claim 20, wherein said administering is  
2    parenteral.

1                   **24.**    A method in accordance with claim 20, wherein said administering is  
2    topical.

1                   **25**     A method in accordance with claim 20, wherein said metabolic  
2    disorder is selected from the group consisting of diabetes, obesity, hypercholesterolemia,  
3    hyperlipidemia, dyslipidemia, hypertriglyceridemia, hyperglycemia, insulin resistance and  
4    hyperinsulinemia.

1                   **26.**    A method in accordance with claim 20, wherein said inflammatory  
2    condition is selected from the group consisting of rheumatoid arthritis and atherosclerosis.

1                   **27.**    A method in accordance with claim 20, wherein said metabolic  
2    disorder or inflammatory condition is mediated by PPAR $\gamma$ .

1                   **28.**    A method for treating or preventing a condition or disorder mediated  
2    by PPAR $\gamma$ , comprising  
3                    administering to a subject in need thereof a therapeutically effective amount of  
4    a compound of Claims 1-18.

1                   **29.**    A method in accordance with Claim 28, wherein said subject is a  
2    human.

1                   **30.**    A method in accordance with claim 28, wherein said administering is  
2    oral.

1                   **31.**    A method in accordance with claim 28, wherein said administering is  
2    parenteral.

1                   **32.**    A method in accordance with claim 28, wherein said administering is  
2   topical.

1                   **33.**    A method in accordance with claim 28, wherein said condition or  
2   disorder is a metabolic disorder or an inflammatory condition.

1                   **34.**    A method in accordance with claim 33, wherein said metabolic  
2   disorder is selected from the group consisting of diabetes, obesity, hypercholesterolemia,  
3   hyperlipidemia, dyslipidemia, hypertriglyceridemia, hyperglycemia, insulin resistance and  
4   hyperinsulinemia.

1                   **35.**    A method in accordance with claim 33, wherein said inflammatory  
2   condition is selected from the group consisting of rheumatoid arthritis and atherosclerosis. .

1                   **36.**    A method for modulating PPAR $\gamma$ , comprising  
2   contacting a cell with a compound of Claims 1-18.

1                   **37.**    The method of Claim 36, wherein said compound is a PPAR $\gamma$   
2   antagonist.

1                   **38.**    The method of Claim 36, wherein said compound is a PPAR $\gamma$  agonist.